

Experiment Number: 20537-01
Test Type: 90-DAY
Route: INTRADUCTAL CANNULATION
Species/Strain: Rat/F 344/N

P02: INCIDENCE RATES OF NEOPLASMS BY ANATOMIC SITE (a)
Test Compound: Adenoviral Vector (AdhAQP1)
CAS Number: HAQP1

Date Report Requested: 10/19/2014
Time Report Requested: 17:37:14
First Dose M/F: NA / NA
Lab: MBA

C Number: C20537
Lock Date: 11/19/2007
Cage Range: All
Date Range: All
Reasons For Removal: All
Removal Date Range: All
Treatment Groups: All
Study Gender: Male
PWG Approval Date: NONE

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F 344/N Rat MALE	VEHCONTRCOHRTA	VEHCONTRCOHRTB	VEHCONTRCOHRTC	VEHCONTRCOHRTD	VEHCONTRCOHR E	2-8ADHAQP1COHTA
Disposition Summary						
Animals Initially In Study	5	5	5	5	5	5
Scheduled Sacrifice	5	5	4	5		5
Early Deaths						
Accidentally Killed			1			
Survivors						
Terminal Sacrifice					5	
Animals Examined Microscopically	5	5	5	5	5	5
ALIMENTARY SYSTEM						
Esophagus	(5)	(5)	(5)	(5)	(5)	(5)
Intestine Large, Cecum	(5)	(5)	(5)	(5)	(5)	(5)
Intestine Large, Colon	(5)	(5)	(5)	(5)	(5)	(5)
Intestine Large, Rectum	(5)	(5)	(5)	(5)	(5)	(5)
Intestine Small, Duodenum	(5)	(5)	(5)	(5)	(5)	(5)
Intestine Small, Ileum	(5)	(5)	(5)	(5)	(5)	(5)
Intestine Small, Jejunum	(5)	(5)	(5)	(5)	(5)	(5)
Liver	(5)	(5)	(5)	(5)	(5)	(5)
Oral Mucosa	(5)	(5)	(5)	(5)	(5)	(5)
Pancreas	(5)	(5)	(5)	(5)	(5)	(5)
Salivary Glands	(5)	(5)	(5)	(3)	(4)	(5)
Stomach, Forestomach	(5)	(5)	(5)	(5)	(5)	(5)
Stomach, Glandular	(5)	(5)	(5)	(5)	(5)	(5)
Tongue	(5)	(5)	(5)	(5)	(5)	(5)
CARDIOVASCULAR SYSTEM						
Blood Vessel	(5)	(5)	(5)	(5)	(5)	(5)
Heart	(5)	(5)	(5)	(5)	(5)	(5)

a - Number of animals examined microscopically at site and number of animals with lesion

b - Primary tumors: all tumors except metastatic tumors

* Number of animals with any tissue examined microscopically

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Lab: MBA

F 344/N Rat MALE	VEHCONTRCOHRTA	VEHCONTRCOHRTB	VEHCONTRCOHRTC	VEHCONTRCOHRTD	VEHCONTRCOHR E	2-8ADHAQP1COHTA
ENDOCRINE SYSTEM						
Adrenal Cortex	(5)	(5)	(5)	(5)	(5)	(5)
Adrenal Medulla	(5)	(5)	(5)	(5)	(5)	(5)
Islets, Pancreatic	(5)	(5)	(5)	(5)	(5)	(5)
Parathyroid Gland	(5)	(5)	(5)	(5)	(5)	(5)
Pituitary Gland	(5)	(5)	(5)	(5)	(5)	(5)
Thyroid Gland	(5)	(5)	(5)	(5)	(5)	(5)
GENERAL BODY SYSTEM						
None						
GENITAL SYSTEM						
Epididymis	(5)	(5)	(5)	(5)	(5)	(5)
Preputial Gland	(5)	(5)	(5)	(4)	(5)	(4)
Prostate	(5)	(5)	(5)	(5)	(5)	(5)
Seminal Vesicle	(5)	(5)	(5)	(5)	(5)	(5)
Testes	(5)	(5)	(5)	(5)	(5)	(5)
HEMATOPOIETIC SYSTEM						
Bone Marrow	(5)	(5)	(5)	(5)	(5)	(5)
Lymph Node, Mandibular	(0)	(0)	(0)	(0)	(0)	(0)
Lymph Node, Mesenteric	(5)	(5)	(4)	(5)	(4)	(5)
Spleen	(5)	(5)	(5)	(5)	(5)	(5)
Thymus	(5)	(5)	(5)	(5)	(5)	(5)
INTEGUMENTARY SYSTEM						
Mammary Gland	(4)	(4)	(2)	(2)	(4)	(4)
Skin	(5)	(5)	(5)	(5)	(5)	(5)
MUSCULOSKELETAL SYSTEM						
Bone	(5)	(5)	(5)	(5)	(5)	(5)

a - Number of animals examined microscopically at site and number of animals with lesion

b - Primary tumors: all tumors except metastatic tumors

* Number of animals with any tissue examined microscopically

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F 344/N Rat MALE	VEHCONTRCOHRTA	VEHCONTRCOHRTB	VEHCONTRCOHRTC	VEHCONTRCOHRTD	VEHCONTRCOHR E	2-8ADHAQP1COHTA
NERVOUS SYSTEM						
Brain	(5)	(5)	(5)	(5)	(5)	(5)
RESPIRATORY SYSTEM						
Lung	(5)	(5)	(5)	(5)	(5)	(5)
Nose	(5)	(5)	(5)	(5)	(5)	(5)
Trachea	(5)	(5)	(5)	(5)	(5)	(5)
SPECIAL SENSES SYSTEM						
Eye	(5)	(5)	(5)	(5)	(5)	(5)
Harderian Gland	(5)	(5)	(5)	(5)	(5)	(5)
URINARY SYSTEM						
Kidney	(5)	(5)	(5)	(5)	(5)	(5)
Urinary Bladder	(5)	(5)	(5)	(5)	(5)	(5)

a - Number of animals examined microscopically at site and number of animals with lesion

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F 344/N Rat MALE	2-8ADHAQP1COHTB	2-8ADHAQP1COHTC	2-8ADHAQP1COHTD	2-8ADHAQP1COHTE	8-9ADHAQP1COHTA	8-9ADHAQP1COHTB
Disposition Summary						
Animals Initially In Study	5	5	5	5	5	5
Scheduled Sacrifice	5	5	5		5	5
Early Deaths						
Accidentally Killed						
Survivors						
Terminal Sacrifice				5		
Animals Examined Microscopically	5	5	5	5	5	5
ALIMENTARY SYSTEM						
Esophagus	(5)	(5)	(5)	(5)	(5)	(5)
Intestine Large, Cecum	(5)	(5)	(5)	(5)	(5)	(5)
Intestine Large, Colon	(5)	(5)	(5)	(5)	(5)	(5)
Intestine Large, Rectum	(5)	(5)	(5)	(5)	(5)	(5)
Intestine Small, Duodenum	(5)	(5)	(5)	(5)	(5)	(5)
Intestine Small, Ileum	(5)	(5)	(5)	(5)	(5)	(5)
Intestine Small, Jejunum	(5)	(5)	(5)	(5)	(5)	(5)
Liver	(5)	(5)	(5)	(5)	(5)	(5)
Oral Mucosa	(5)	(5)	(5)	(5)	(5)	(5)
Pancreas	(5)	(5)	(5)	(5)	(5)	(5)
Salivary Glands	(5)	(5)	(5)	(4)	(5)	(5)
Stomach, Forestomach	(5)	(5)	(5)	(5)	(5)	(5)
Stomach, Glandular	(5)	(5)	(5)	(5)	(5)	(5)
Tongue	(5)	(5)	(5)	(5)	(5)	(5)
CARDIOVASCULAR SYSTEM						
Blood Vessel	(5)	(5)	(5)	(5)	(5)	(5)
Heart	(5)	(5)	(5)	(5)	(5)	(5)

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F 344/N Rat MALE	2-8ADHAQP1COHTB	2-8ADHAQP1COHTC	2-8ADHAQP1COHTD	2-8ADHAQP1COHTE	8-9ADHAQP1COHTA	8-9ADHAQP1COHTB
ENDOCRINE SYSTEM						
Adrenal Cortex	(5)	(5)	(5)	(5)	(5)	(5)
Adrenal Medulla	(5)	(4)	(5)	(5)	(5)	(5)
Islets, Pancreatic	(5)	(5)	(5)	(5)	(5)	(5)
Parathyroid Gland	(5)	(5)	(5)	(5)	(5)	(5)
Pituitary Gland	(5)	(4)	(5)	(5)	(5)	(5)
Thyroid Gland	(5)	(5)	(5)	(5)	(5)	(5)
GENERAL BODY SYSTEM						
None						
GENITAL SYSTEM						
Epididymis	(5)	(5)	(5)	(5)	(5)	(5)
Preputial Gland	(5)	(5)	(5)	(4)	(5)	(5)
Prostate	(5)	(5)	(5)	(5)	(5)	(5)
Seminal Vesicle	(5)	(5)	(5)	(5)	(5)	(5)
Testes	(5)	(5)	(5)	(5)	(5)	(5)
HEMATOPOIETIC SYSTEM						
Bone Marrow	(5)	(5)	(5)	(5)	(5)	(5)
Lymph Node, Mandibular	(0)	(0)	(0)	(0)	(1)	(0)
Lymph Node, Mesenteric	(5)	(5)	(5)	(5)	(4)	(5)
Spleen	(5)	(5)	(5)	(5)	(5)	(5)
Thymus	(5)	(5)	(5)	(5)	(5)	(5)
INTEGUMENTARY SYSTEM						
Mammary Gland	(5)	(2)	(3)	(4)	(5)	(3)
Skin	(5)	(5)	(5)	(5)	(5)	(5)
MUSCULOSKELETAL SYSTEM						
Bone	(5)	(5)	(5)	(5)	(5)	(5)

a - Number of animals examined microscopically at site and number of animals with lesion

b - Primary tumors: all tumors except metastatic tumors

* Number of animals with any tissue examined microscopically

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F 344/N Rat MALE	2-8ADHAQP1COHTB	2-8ADHAQP1COHTC	2-8ADHAQP1COHTD	2-8ADHAQP1COHTE	8-9ADHAQP1COHTA	8-9ADHAQP1COHTB
NERVOUS SYSTEM						
Brain	(5)	(5)	(5)	(5)	(5)	(5)
RESPIRATORY SYSTEM						
Lung	(5)	(5)	(5)	(5)	(5)	(5)
Nose	(5)	(5)	(5)	(5)	(5)	(5)
Trachea	(5)	(5)	(5)	(5)	(5)	(5)
SPECIAL SENSES SYSTEM						
Eye	(5)	(5)	(5)	(5)	(5)	(5)
Harderian Gland	(5)	(5)	(5)	(5)	(5)	(5)
URINARY SYSTEM						
Kidney	(5)	(5)	(5)	(5)	(5)	(5)
Urinary Bladder	(5)	(5)	(5)	(5)	(5)	(5)

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 Lab: MBA

F 344/N Rat MALE	8-9ADHAQP1COHTC	8-9ADHAQP1COHTD	8-9AJDAQP1COHTE	2-11ADHAQP1COHTA	2-11ADHAQP1COHTB	2-11ADHAQP1COHTC
Disposition Summary						
Animals Initially In Study	5	5	5	5	5	5
Scheduled Sacrifice	5	5		5	5	5
Early Deaths						
Accidentally Killed						
Survivors						
Terminal Sacrifice			5			
Animals Examined Microscopically	5	5	5	5	5	5
ALIMENTARY SYSTEM						
Esophagus	(5)	(5)	(5)	(5)	(5)	(5)
Intestine Large, Cecum	(5)	(5)	(5)	(5)	(5)	(5)
Intestine Large, Colon	(5)	(5)	(5)	(5)	(5)	(5)
Intestine Large, Rectum	(5)	(5)	(5)	(5)	(5)	(5)
Intestine Small, Duodenum	(5)	(5)	(5)	(5)	(5)	(5)
Intestine Small, Ileum	(5)	(5)	(5)	(5)	(5)	(5)
Intestine Small, Jejunum	(5)	(5)	(5)	(5)	(5)	(5)
Liver	(5)	(5)	(5)	(5)	(5)	(5)
Oral Mucosa	(5)	(5)	(5)	(5)	(5)	(5)
Pancreas	(5)	(5)	(5)	(5)	(5)	(5)
Salivary Glands	(5)	(5)	(3)	(5)	(5)	(5)
Stomach, Forestomach	(5)	(5)	(5)	(5)	(5)	(5)
Stomach, Glandular	(5)	(5)	(5)	(5)	(5)	(5)
Tongue	(5)	(5)	(5)	(5)	(5)	(5)
CARDIOVASCULAR SYSTEM						
Blood Vessel	(5)	(5)	(5)	(5)	(5)	(5)
Heart	(5)	(5)	(5)	(5)	(5)	(5)

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Lab: MBA

F 344/N Rat MALE	8-9ADHAQP1COHTC	8-9ADHAQP1COHTD	8-9AJDAQP1COHTE	2-11ADHAQP1COHTA	2-11ADHAQP1COHTB	2-11ADHAQP1COHTC
ENDOCRINE SYSTEM						
Adrenal Cortex	(5)	(5)	(5)	(5)	(5)	(5)
Adrenal Medulla	(5)	(5)	(5)	(5)	(5)	(5)
Islets, Pancreatic	(5)	(5)	(5)	(5)	(5)	(5)
Parathyroid Gland	(4)	(5)	(5)	(5)	(5)	(5)
Pituitary Gland	(5)	(5)	(5)	(5)	(5)	(4)
Thyroid Gland	(5)	(5)	(5)	(5)	(5)	(5)
GENERAL BODY SYSTEM						
None						
GENITAL SYSTEM						
Epididymis	(5)	(5)	(5)	(5)	(5)	(5)
Preputial Gland	(5)	(5)	(5)	(5)	(4)	(5)
Prostate	(5)	(5)	(5)	(5)	(5)	(5)
Seminal Vesicle	(5)	(5)	(5)	(5)	(5)	(5)
Testes	(5)	(5)	(5)	(5)	(5)	(5)
HEMATOPOIETIC SYSTEM						
Bone Marrow	(5)	(5)	(5)	(5)	(5)	(5)
Lymph Node, Mandibular	(0)	(0)	(0)	(0)	(0)	(0)
Lymph Node, Mesenteric	(5)	(5)	(4)	(5)	(5)	(5)
Spleen	(5)	(5)	(5)	(5)	(5)	(5)
Thymus	(5)	(5)	(5)	(5)	(5)	(5)
INTEGUMENTARY SYSTEM						
Mammary Gland	(2)	(3)	(4)	(3)	(4)	(3)
Skin	(5)	(5)	(5)	(5)	(5)	(5)
MUSCULOSKELETAL SYSTEM						

a - Number of animals examined microscopically at site and number of animals with lesion

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F 344/N Rat MALE	8-9ADHAQP1COHTC	8-9ADHAQP1COHTD	8-9AJDAQP1COHTE	2-11ADHAQP1COHTA	2-11ADHAQP1COHTB	2-11ADHAQP1COHTC
Bone	(5)	(5)	(5)	(5)	(5)	(5)
NERVOUS SYSTEM						
Brain	(5)	(5)	(5)	(5)	(5)	(5)
RESPIRATORY SYSTEM						
Lung	(5)	(5)	(5)	(5)	(5)	(5)
Nose	(5)	(5)	(5)	(5)	(5)	(5)
Trachea	(5)	(5)	(5)	(5)	(5)	(5)
SPECIAL SENSES SYSTEM						
Eye	(5)	(5)	(5)	(5)	(5)	(5)
Harderian Gland	(5)	(5)	(5)	(5)	(5)	(5)
URINARY SYSTEM						
Kidney	(5)	(5)	(5)	(5)	(5)	(5)
Urinary Bladder	(5)	(5)	(5)	(5)	(5)	(5)

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Lab: MBA

F 344/N Rat MALE	2- 11ADHAQP1COHTD	2- 11ADHAQP1COHTE
Disposition Summary		
Animals Initially In Study	5	5
Scheduled Sacrifice	5	
Early Deaths		
Accidentally Killed		
Survivors		
Terminal Sacrifice		5
Animals Examined Microscopically	5	5
ALIMENTARY SYSTEM		
Esophagus	(5)	(5)
Intestine Large, Cecum	(5)	(5)
Intestine Large, Colon	(5)	(5)
Intestine Large, Rectum	(5)	(5)
Intestine Small, Duodenum	(5)	(5)
Intestine Small, Ileum	(5)	(5)
Intestine Small, Jejunum	(5)	(5)
Liver	(5)	(5)
Oral Mucosa	(5)	(5)
Pancreas	(5)	(5)
Salivary Glands	(4)	(4)
Stomach, Forestomach	(5)	(5)
Stomach, Glandular	(5)	(5)
Tongue	(5)	(5)
CARDIOVASCULAR SYSTEM		
Blood Vessel	(5)	(5)
Heart	(5)	(5)

a - Number of animals examined microscopically at site and number of animals with lesion

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Lab: MBA

F 344/N Rat MALE	2- 11ADHAQP1COHTD	2- 11ADHAQP1COHTE
ENDOCRINE SYSTEM		
Adrenal Cortex	(5)	(5)
Adrenal Medulla	(5)	(5)
Islets, Pancreatic	(5)	(5)
Parathyroid Gland	(5)	(5)
Pituitary Gland	(5)	(4)
Thyroid Gland	(5)	(5)
GENERAL BODY SYSTEM		
None		
GENITAL SYSTEM		
Epididymis	(5)	(5)
Preputial Gland	(4)	(5)
Prostate	(5)	(5)
Seminal Vesicle	(5)	(5)
Testes	(5)	(5)
HEMATOPOIETIC SYSTEM		
Bone Marrow	(5)	(5)
Lymph Node, Mandibular	(0)	(0)
Lymph Node, Mesenteric	(5)	(5)
Spleen	(5)	(5)
Thymus	(5)	(5)
INTEGUMENTARY SYSTEM		
Mammary Gland	(3)	(5)
Skin	(5)	(5)
MUSCULOSKELETAL SYSTEM		

a - Number of animals examined microscopically at site and number of animals with lesion

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First Dose M/F: NA / NA

Lab: MBA

F 344/N Rat MALE	2- 11ADHAQP1COHTD	2- 11ADHAQP1COHTE
Bone	(5)	(5)
NERVOUS SYSTEM		
Brain	(5)	(5)
RESPIRATORY SYSTEM		
Lung	(5)	(5)
Nose	(5)	(5)
Trachea	(5)	(5)
SPECIAL SENSES SYSTEM		
Eye	(5)	(5)
Harderian Gland	(5)	(5)
URINARY SYSTEM		
Kidney	(5)	(5)
Urinary Bladder	(5)	(5)

a - Number of animals examined microscopically at site and number of animals with lesion

b - Primary tumors: all tumors except metastatic tumors

* Number of animals with any tissue examined microscopically

Experiment Number: 20537-01
Test Type: 90-DAY
Route: INTRADUCTAL CANNULATION
Species/Strain: Rat/F 344/N

P02: INCIDENCE RATES OF NEOPLASMS BY ANATOMIC SITE (a)
Test Compound: Adenoviral Vector (AdhAQP1)
CAS Number: HAQP1

Date Report Requested: 10/19/2014
Time Report Requested: 17:37:15
First Dose M/F: NA / NA
Lab: MBA

F 344/N Rat MALE

VEHCONTRCOHRTA VEHCONTRCOHRTB VEHCONTRCOHRTC VEHCONTRCOHRTD VEHCONTRCOHR E 2-8ADHAQP1COHTA

Tumor Summary for MALE

Total Animals with Primary Neoplasms (b)

Total Primary Neoplasms

Total Animals with Benign Neoplasms

Total Benign Neoplasms

Total Animals with Malignant Neoplasms

Total Malignant Neoplasms

Total Animals with Metastatic Neoplasms

Total Metastatic Neoplasms

**Total Animals with Malignant Neoplasms
Uncertain Primary Site**

**Total Animals with Neoplasms Uncertain -
Benign or Malignant**

Total Uncertain Neoplasms

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Test Type: 90-DAY
Route: INTRADUCTAL CANNULATION
Species/Strain: Rat/F 344/N

P02: INCIDENCE RATES OF NEOPLASMS BY ANATOMIC SITE (a)
Test Compound: Adenoviral Vector (AdhAQP1)
CAS Number: HAQP1

Date Report Requested: 10/19/2014
Time Report Requested: 17:37:15
First Dose M/F: NA / NA
Lab: MBA

F 344/N Rat MALE

2-8ADHAQP1COHTB 2-8ADHAQP1COHTC 2-8ADHAQP1COHTD 2-8ADHAQP1COHTE 8-9ADHAQP1COHTA 8-9ADHAQP1COHTB

Tumor Summary for MALE

Total Animals with Primary Neoplasms (b)

Total Primary Neoplasms

Total Animals with Benign Neoplasms

Total Benign Neoplasms

Total Animals with Malignant Neoplasms

Total Malignant Neoplasms

Total Animals with Metastatic Neoplasms

Total Metastatic Neoplasms

**Total Animals with Malignant Neoplasms
Uncertain Primary Site**

**Total Animals with Neoplasms Uncertain -
Benign or Malignant**

Total Uncertain Neoplasms

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Test Type: 90-DAY
Route: INTRADUCTAL CANNULATION
Species/Strain: Rat/F 344/N

P02: INCIDENCE RATES OF NEOPLASMS BY ANATOMIC SITE (a)
Test Compound: Adenoviral Vector (AdhAQP1)
CAS Number: HAQP1

Date Report Requested: 10/19/2014
Time Report Requested: 17:37:15
First Dose M/F: NA / NA
Lab: MBA

F 344/N Rat MALE

8-9ADHAQP1COHTC 8-9ADHAQP1COHTD 8-9AJDAQP1COHTE

**2- 2- 2-
11ADHAQP1COHTA 11ADHAQP1COHTB 11ADHAQP1COHTC**

Tumor Summary for MALE

Total Animals with Primary Neoplasms (b)

Total Primary Neoplasms

Total Animals with Benign Neoplasms

Total Benign Neoplasms

Total Animals with Malignant Neoplasms

Total Malignant Neoplasms

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Test Type: 90-DAY
Route: INTRADUCTAL CANNULATION
Species/Strain: Rat/F 344/N

P02: INCIDENCE RATES OF NEOPLASMS BY ANATOMIC SITE (a)
Test Compound: Adenoviral Vector (AdhAQP1)
CAS Number: HAQP1

Date Report Requested: 10/19/2014
Time Report Requested: 17:37:15
First Dose M/F: NA / NA
Lab: MBA

F 344/N Rat MALE

**2- 2-
11ADHAQP1COHTD 11ADHAQP1COHTE**

Tumor Summary for MALE

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Total Primary Neoplasms

Total Animals with Benign Neoplasms

Total Benign Neoplasms

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Total Animals with Metastatic Neoplasms

Total Metastatic Neoplasms

Total Animals with Malignant Neoplasms

Uncertain Primary Site

Total Animals with Neoplasms Uncertain -

Benign or Malignant

Total Uncertain Neoplasms

**** END OF REPORT ****

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