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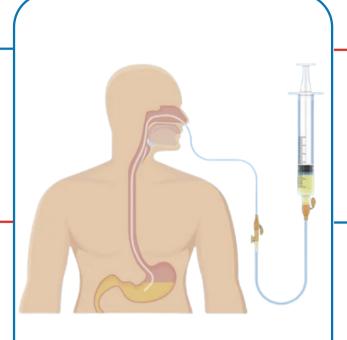
WEB: www.raptimresearch.com

# **IN-VITRO FEEDING TUBE STUDIES**

Individual product specific bioequivalence guidance recommends in-vitro feeding tube studies for products such as *oral suspension* and *capsules contaning pellets, granules* or *beads* 

At Raptim, we have developed and established in-vitro feeding tube studies which include:

- Comparative recovery testing
- → Particle size distribution study
- Comparative acid resistance stability testing
- Sedimentation volume testing and redispersibilty testing



IN-VITRO FEEDING TUBE STUDIES Administration of products through feeding tube studies is recommended in patients having underlying disease that makes it difficult to swallow or for intensive care patients.

- At Raptim, we have developed and established in-vitro feeding tube studies which include:
- Different sizes (6 FR to 24 FR) and materials of tubes (PVC, Silicone and Polyurethane)
- Different design (open or closed distal end; single or double lumen, number of eyes)
- Different types of Dispersion media(e.g. water, apple juice, dextrose)
- Variation in soaking time prior to administration
- ✓ Different rinsing volumes

#### REPRESENTATIVE IMAGE OF IN-VITRO FEEDING TUBE STUDY



#### WHY PARTNER WITH US?

- Dedicated team with in-depth expertise to handle the in-vitro feeding tube studies
- Established infrastructure to conduct the in-vitro feeding tube studies
- All activities to be captured with DSLR camera as per the requirement of regulatory agency
- Ability to rectify challenges for such a complex study procedure

#### RAPTIM EXPERIENCE

- Ticagrelor EMA
- Rivaroxaban USFDA
- Rivaroxaban EMA
- Apixaban EMA
- Apixaban USFDA
- Ticagrelor USFDA
- Dexlansoprazole USFDA

#### **ON-GOING PROJECTS**

- Mycophenolate mofetil USFDA
- Rivaroxaban USFDA/EMA
- Carglumic acid USFDA
- Esomeprazole USFDA/EMA

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## **NG TUBE USED AT RAPTIM IN DIFFERENT STUDIES**

KANGAROO FEEDING TUBE 8FR. 60CM	COVIDIEN SALEM SUMP 16FR.X 48
COVIDIEN SALEM SUMP 61 CM	CORFLO NASOGASTRIC FEEDING TUBE
VYGON 8 FR. NG TUBE	COVIDIEN ARGYLE TUBE (ENFIT)
NEO MED 8 FR. NG TUBE 60 CM	COVIDIEN ARGYLE TUBE 16FR.X 48
NEO MED NG TUBE 90 CM	VYGON VALUE LIFE TUBE
KANGAROO FEEDING TUBE 8FR. 91CM	BARD NASOGASTRIC SUMP TUB

### **G TUBE USED AT RAPTIM IN DIFFERENT STUDIES**

CAPSULE MONARCH NON-BALLON

KANGROO Y-PORT

MINI BALLON BUTTON LOW PROFILE

MIC GASTROSTOMY FEEDING TUBE WITH ENFIT CONNECTORS

MIC GASTROSTOMY FEEDING TUBE

BARD TRI-FUNNEL REPLACEMENT GASTROSTOMY TUBE