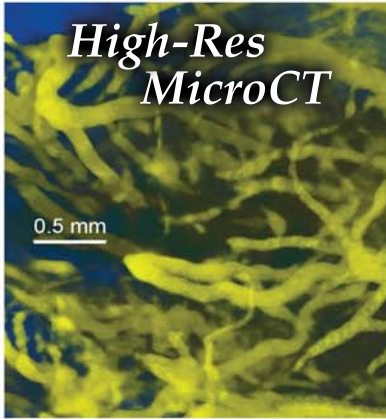
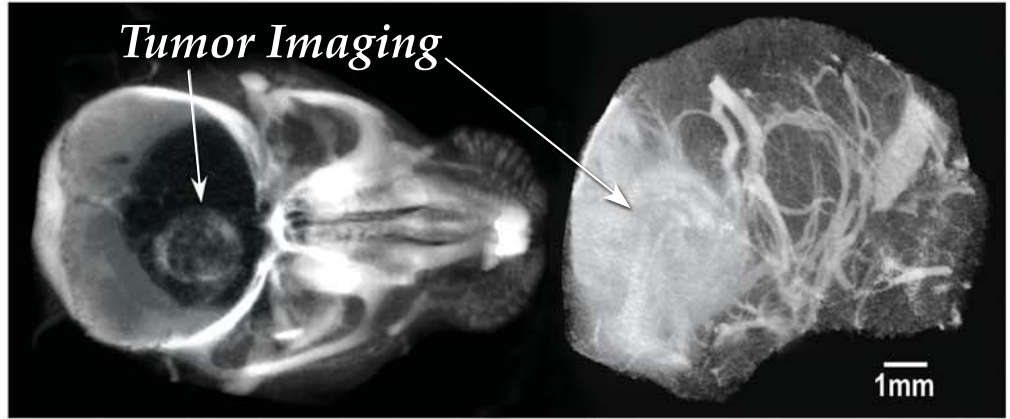


# AuroVist™ 15nm

## 15 nm Gold Nanoparticle X-ray Contrast Agent



20µm blood vessels in a live mouse around legs and pelvic region after IV injection of AuroVist™-15nm.



Brain tumor in mouse imaged by microCT after IV injection of AuroVist™ 15nm.

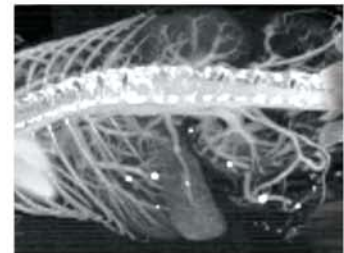
MicroCT of brain of live mouse after IV injection of AuroVist-15. Skull computationally removed revealing brain vasculature. Tumor stands out (white density) due to penetration of AuroVist-15 through the compromised blood-brain-tumor barrier.

**A new contrast agent for microCT and CT research\***  
Highly stable and soluble, non-toxic, non-viscous: Gold nanoparticles with a biocompatible shell.

### Features and Advantages

- 200 mg Au/mL injected into mouse gives 1800 HU in blood vessels
- Longest blood residence time of any contrast agent available
- High contrast: >1500 HU initial blood contrast
- Low toxicity: LD50 >5.0 g Au/kg
- Low osmolality, even at high concentrations
- Low viscosity, similar to water; easy to inject, even into small vessels
- Long imaging times and high contrast:  
**Ideal for imaging by microCT**
- Can be concentrated to 600 mg Au/mL for super contrast

**24hr**  
blood  
half-life



### Applications

- Vascular imaging:  
shows vessels to 20 µm
- In vivo (virtual) vascular casting
- Tumor imaging and tumor loading

### Preparations

1115	AuroVist™ 15 nm	40 mg Au
1115A	AuroVist™ 15 nm	5 x 40 mg

**Highest contrast of any  
blood pool contrast agent**

**Longest blood residence  
of any x-ray contrast agent**



Tel: 631-205-9490 Fax: 631-205-9493  
US toll free: 877-447-6266

Questions? Ask our scientists: tech@nanoprobes.com