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# cappel

**Rat Liver S9 Homogenate in KCL**  
**Catalog #:** 50412  
**Lot #:** Q6088

**Species:** Rat  
**Strain:** Sprague Dawley  
**Sex:** Male  
**Tissue:** Liver  
**Buffer:** 0.15M KCl  
**Inducing Agent:** Aroclor 1254  
**Package Volume:** 5 ml  
**Date of Manufacture:** March 14, 2017  
**Date of Expiration:** March 14, 2019

**Quality Control Data:**

- "Ames" Assay (Maron & Ames, *Mutat. Res.*, v. 113: 173. 1983.)

Strain	Mutagen* (ug/plate)	No. Revertants/plates uL S9/plate				
		0	10	20	50	100
TA98	2AA (2.5)	21	2089	1925	1403	514
	BP (5)	20	150	190	304	369
TA100	2AA (2.5)	98	2214	2453	1849	983
	BP (5)	85	399	742	1224	1360

\*2-aminoanthracene (2AA) and benzo (a) pyrene (BP)

- **Sterility Test:**

Culture Medium	No. Colonies/ml S-9
Nutrient Agar	0
Minimal Glucose Agar	0

\*Duplicate 1 ml samples were tested on each medium. Plates were evaluated after 48-72 hr incubation @ 37 C.

- **Protein Assay** (Lowry, et. al., *JBC*, v. 193: 265. 1951): 39.8 mg/ml
- **Ethoxyresorufin-o-deethylase activity** (Burke et. al., *Biochem. Pharmacol.*, v. 34: 3337. 1985): 9919.3 picomoles 7-hydroxyresorufin formed per minute per milligram protein. (140.8 - fold increase.)

A large, stylized handwritten signature in black ink, appearing to read "J. Huang". The signature is written in a cursive, flowing style with a long, sweeping tail on the letter "g".

**Approved by:** *John Huang, PhD*  
Quality Control Manager

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