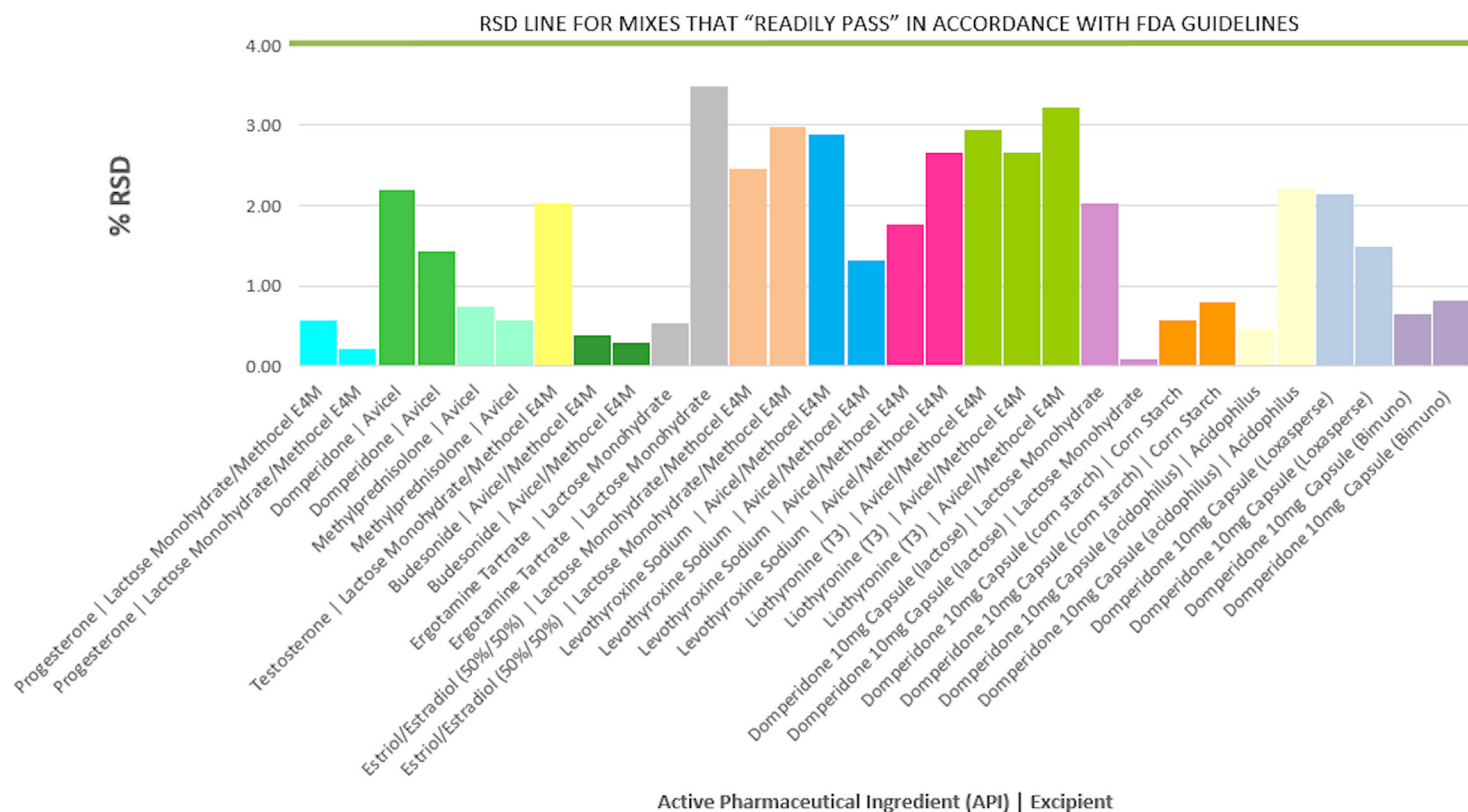




“The acoustic mixing approach represents a potential time savings of two orders of magnitude, facilitating the identification of a suitable nanosuspension formulation within the rapid timelines.”

From a study by Merck on drug discovery

SPEED

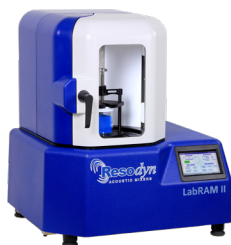
BETTER THAN CONVENTIONAL

In a batch test between a ResonantAcoustic® Mixer, a V-Blender and a commercial high-speed mixer, the Resodyn equipment knocked it out of the park. The machine was three times faster than its closest competition.

Method	Weighing	Mixing	Cleaning	Total
RAM	1:21	2:51	0:01	4:13
High Speed Mixer	1:21	5:41	5:40	12:42
V-Blender	1:21	41:53	5:48	49:02

12X FASTER THAN A V-BLENDER

LABRAM II



This lab-scale machine work perfectly for development, testing and production. It scales seamlessly into larger equipment, like the OmniRAM.

CONSISTENT

DOMINATING POTENCY TESTS

Experienced users know how important a uniform production is. This potency test used the notoriously difficult to mix T₃ material, also known as liothyronine sodium. Three mixers were used- a Resodyn mixer, a commercial high-speed mixer and a V-Blender.

Method	Sample 1	Sample 2	Sample 3	Average	RSD
RAM	94.7%	97.3%	98.0%	96.7%	1.7%
High Speed Mixer	86.9%	88.0%	87.3%	87.4%	0.6%
V-Blender	90.0%	92.2%	87.6%	89.9%	2.3%

Only the Resodyn mixer had all three samples pass the required uniformity. In fact, the high speed mixer failed all of the tests. The V-Blender didn't do much better, seeing a failure and a narrow success among the three tests.



Innovative Mixing Solutions

NEXT STEPS

- Contact our sales engineers.
- Rent a benchtop unit.
- Consult with our process engineer.
- Send us material to test.
- Get a customized quote for your ideal solution.

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