

Enhancing MRI Throughput & Image Quality through RF Absorption



Introducing an innovative, inexpensive and easy-to-use technology that dramatically simplifies Magnetic Resonance Imaging. Accusorb MRI® virtually eliminates image wrap-around, ghosting and unwanted artifacts, limiting the need to use the anti-aliasing system software option.

Reduce MRI scan times by up to 60%

Patient throughput and comfort are improved. Patient manipulation, software adjustment, and scan analysis time are all minimized, resulting in major cost savings.

Accusorb MRI® physically restricts the scanner's field of view (via radio frequency absorption and isolation) keeping unwanted areas outside the established field from wrapping into the image. .

Accusorb MRI® uses advanced flexible RF absorbers and thermal barriers to prevent heating of the blanket so the patient remains safe and comfortable throughout the scan. Accusorb MRI® is reusable and has a long product life.

Accusorb MRI® products are available in sizes and shapes designed to cover specific body areas. They can also be custom made to virtually any shape for use in new applications in and around the MRI environment.

For the latest information on Accusorb MRI® visit www.accusorb.com

Using Accusorb MRI® has big benefits!

For the Patient

- Natural positioning results in more comfort
- Less starts and stops to upset the patient
- Good image on the first scan means shorter time in scanner

For the Technologist

- Application driven sizes and shapes for ease of use
- Initial setup generates a final image
- Less patient manipulation
- Less patient complaints
- Easily do otherwise technically difficult scans
- No need to use ant-aliasing software for most scans
- Scan time can be reduced up to 60%.

For the Radiologist

- Initial images are right
- Saves time in diagnosis
- Less manipulation of images
- Improved image quality
- Faster read times
- Better productivity

For the MRI Manager

- Cost is only “pennies per scan”
- Durable materials last for years
- More patient throughput
- Lower cost per scan
- Better profitability

*The following series of images were taken with and without using the software anti-aliasing option.
Courtesy of Edison Imaging, Edison, New Jersey*



Axial view of wrist. Accusorb MRI® was not used for this image. The software “No Phase Wrap Option” was turned off.

Wrap is very obvious in this image.



Same Axial view of a wrist. Accusorb MRI® was not used for this image. The software “No Phase Wrap Option” was turned on.

Wrap, while controlled, is still present in this image even with the use of anti-aliasing software.



Same Axial view of a wrist. Accusorb MRI® Standard Torso Wrap (MRI M06) was used for this image. The software “No Phase Wrap Option” was turned off.

Wrap is entirely gone from this image even without the use of anti-aliasing software.

Safety Note:

This device is lead free and offers no X-Ray protection. It is not approved for use on patients with ferromagnetic or electronic implants, devices, or objects. This device blocks RF and does not block magnetic energy. Although currently under study, It is not approved to protect or shield an implant, device, or product during a scan. It is approved only to shield parts of the anatomy of patients who do not have contraindications as mentioned above. If a patient is not safe in the MRI scanner without use of this product they will not be safe in the MRI scanner while using this product.

Accusorb MRI® products are USFDA Medical Class 1 Devices - Patent Pending