

**PHILIPS**

Flex coil Na-140

MR coils

MR imaging beyond proton

Multi-nuclei (MN) imaging and spectroscopy is a key area of leading-edge clinical investigation. Adding Multi Nuclei to your Philips 3.0T MR system opens a window of research into other nuclei, in search of metabolic and functional information.

The transmit-receive Na-140 flex coil, with a 14 cm diameter, allows you to perform sodium (^{23}Na) imaging, spectroscopy and research studies, across all anatomies. Perform a sodium (^{23}Na) knee exam as fast as 15 minutes¹. The sub-millisecond TE acquisition for sodium (^{23}Na) imaging facilitates imaging of short T2-signals.

^{23}Na imaging or spectroscopy can be run and reconstructed directly from the standard user interface. The ExamCard interface immediately recognizes the Na-140 flex coil. And the ^{23}Na nucleus is just a scan parameter like any other sequence parameter. Reconstruction and viewing of ^{23}Na images or spectra, as well as the process for sending the data to PACS is fully integrated, so workflow does not differ from proton imaging.

Combined with our Multi Nuclei specialist package, the transmit-receive Na-140 flex coil delivers the confidence to explore new imaging pathways and the speed to integrate multi-nuclei studies in your day-to-day workflow.

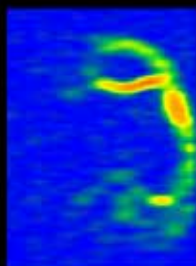
¹ For 3 mm isotropic voxels and slice coverage >95 mm.

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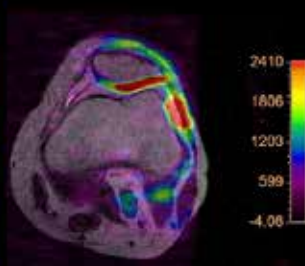
Nucleus	^{23}Na (sodium)
Systems	3.0T dSync systems with Multi Nuclei
Coverage	14 cm
Coil solution type	Transmit-receive, single channel
Applications	Multi-purpose, all anatomies
Coil connection	T/R interface



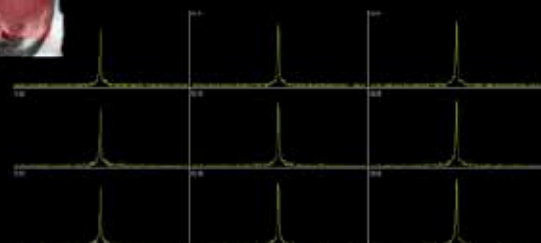
Anatomical imaging
(1H body coil)



Functional ^{23}Na
imaging of the knee
with a laterally
placed Flex coil
Na-140



^{23}Na imaging, overlaid on
1H anatomical imaging



^{23}Na 2D CSI of the liver

Results from case studies are not predictive of results in other cases. Results in other cases may vary.

Not available in the USA

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