



THE VETERINARY SPERM REPORTER

BULLAPP



THE

The novel and bespoke fertility evaluation and reporting software system, comprising cloud database, a mobile app and report generator to use when semen testing bulls.

AIMS

The aims of “The Veterinary Sperm Reporter” and “The BullApp” are to:

- Facilitate recording of all your bull evaluation information, including videos and photos, as simply and intuitively as possible using The BullApp on a mobile device.
- Significantly reduce your admin time via option to pre-upload animal details, then download all the work as a CSV file to allow customised reports of multiple animals.
- Facilitate morphology counting, recording and presentation of results with a unique touch screen counter.
- Automatically generate a customised Certificate (practice details, logo, signature) based around the current BCVA format and encourage a standardised reporting format to be adopted by all users.
- Professionally record and store data in a cloud VSR database, providing both you and clients with simple online access to individual bull evaluation reports.
- Practice data made available as a CSV download facilitating internal auditing.
- Ultimately use the platform as the basis for a discussion group, develop a CPD process, and use the data collected for benchmarking to assess standards and consistency between users within practices, the UK & Ireland, and ultimately other countries.

DEVELOPMENT

What stage are we currently at?

The software is going through external testing and is performing extremely well. The most recent test involved successfully uploading the details for 50 bulls into the app in advance, and then downloading the results as a CSV file after completing the Morpho, at which point certificates and reports were already available to the vet and client.

A few minor adjustments have been suggested, but the system is in fact ready to roll out to more practices. There are a few extra features and bugs that require fixing, and updates will be forthcoming as they are completed.

Access will be restricted to MRCVS's only, and attendance at approved CPD courses is not a requirement to be registered as a user.

The BullApp can be used on Android and iOS platforms on both mobiles and tablets. Data can be recorded while offline and the device will sync to the cloud VSR database when a WiFi connection is available.



HOW?

The vet initially inputs their own practice and users' details - address, logo, contact details, and signature, qualifications, etc., followed by the individual farm info including tag prefix.

The vet arrives onsite with the farm information and details of previous test results preloaded in The BullApp. The evaluation is worked through in the usual order, and findings inputted using dropdown lists or free text for clinical vet and/or Certificate comments. There are several default parameters which should be entered before proceeding to the next stage or bull.

Relevant or interesting photos and short videos can be uploaded at any stage with appropriate tags and freehand comments. Uploaded photos might be used to justify the vet's opinion if later challenged and could obviously demonstrate both good or poor findings. They may be used to compare different examinations of the same bull e.g., a motility video clip taken at a previous evaluation or after treatment or dieting, etc.

Android & iOS compatible

Record data offline

Input by drop-down lists & sliders so minimal typing required

Upload photos & videos

Autosave results to VSR Database



HOW? (ii)



- Morphology can be scored on farm or back in the practice using the Morpho Dashboard touch screen within the BullApp.
- The front screen has buttons representing commonly recorded defects that you can observe using a good quality bright light microscope and each tap represents one spermatozoa with that defect. Behind some buttons are further screens with less common defects. Buttons are coloured according to type and classification.
- A running total count is shown; an audible alert sounds every 10 taps and when 100 sperm are recorded. Only at this point will the breakdown totals be displayed. Borderline results will prompt a count of a further 100 sperm.



HOW? (iii)

- The evaluation is then confirmed by the vet as completed, and a customised certificate, based on the current BCVA format (other formats will be available if and when required), is available with a signature.
- This certificate can be downloaded as a pdf, printed, or uploaded into your practice PMS. It can also be sent automatically to practice admin and the client, and they can access it directly via their own portal within the database. The evaluation can be signed off from within the app, so the certificate is immediately available to the client. Once the evaluation has been signed off, further amendments can only be made within the VSR dashboard. The final PDF certificate could be adapted to match formats from different countries.
- Support and a user feedback system within the app will be available, though the intention is to make the workflow as intuitive as possible. All constructive suggestions will be considered and built in whenever considered both useful and feasible. All your practice data can be downloaded as CSV files allowing full analysis.

FUTURE DEVELOPMENTS

Future developments in the pipeline include:

- “The TupApp” - a similar parallel app is planned for recording ram testing. This will be developed when the bull version is working smoothly and be available to existing users in the same package.
- A CPD process where users will be able to score slides within the app and compare their decisions against other users.
- A user forum where members can post interesting cases or seek advice.



PRICING

Annual Fee: £100

Up to 30% multi-practice discount available to corporate & groups

Evaluation Fee: £3.00 - £4.00

- The complete package of The BullApp, VSR database, cloud storage and support will be realistically priced via an annual £100 practice fee combined with an evaluation fee of £3-4 depending on the bundle purchased.
 - Unlimited number of users per practice.
 - There will be options to suit both groups and individual practices. Different parts of the package will appeal to both high and low throughput users.
- The app is available as a Freemium download allowing users to try all the features. Full access will require practice registration.



VSR

BACKGROUND

THE BULLAPP

Since qualifying far too many years ago I have always worked in mixed practice and then just as a farm vet, becoming interested in bull work in 2008. We currently do only 50 or so bulls per year, so I do not pretend to be an expert although I have always found the topic interesting and slowly built-up experience. During my time on the BCVA Board I organised several successful “realistic” on-farm Bull Fertility Training Days here in Devon.

The idea for The BullApp came from the frustration of mislaying bits of paper, filling out numerous repetitive forms, missing deadlines for handing certificates to farmers, forgetting to put the data into a spreadsheet for auditing, etc. - you probably know where I am coming from here! This became an interesting theoretical challenge and progressed from there, albeit slowly due to Covid-19 and then Brexit taking up too much of my life. BCVA Congress 2021 was the first opportunity to demo a working prototype to colleagues and gather some feedback, which, to my great relief, was all extremely positive. The whole system has now been used by some selected practices “for real” and their feedback incorporated into updates.

Roger Cunningham, Founder of VSR & The BullApp

The VSR & The BullApp is proud to be an independent project.

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Download
the app

